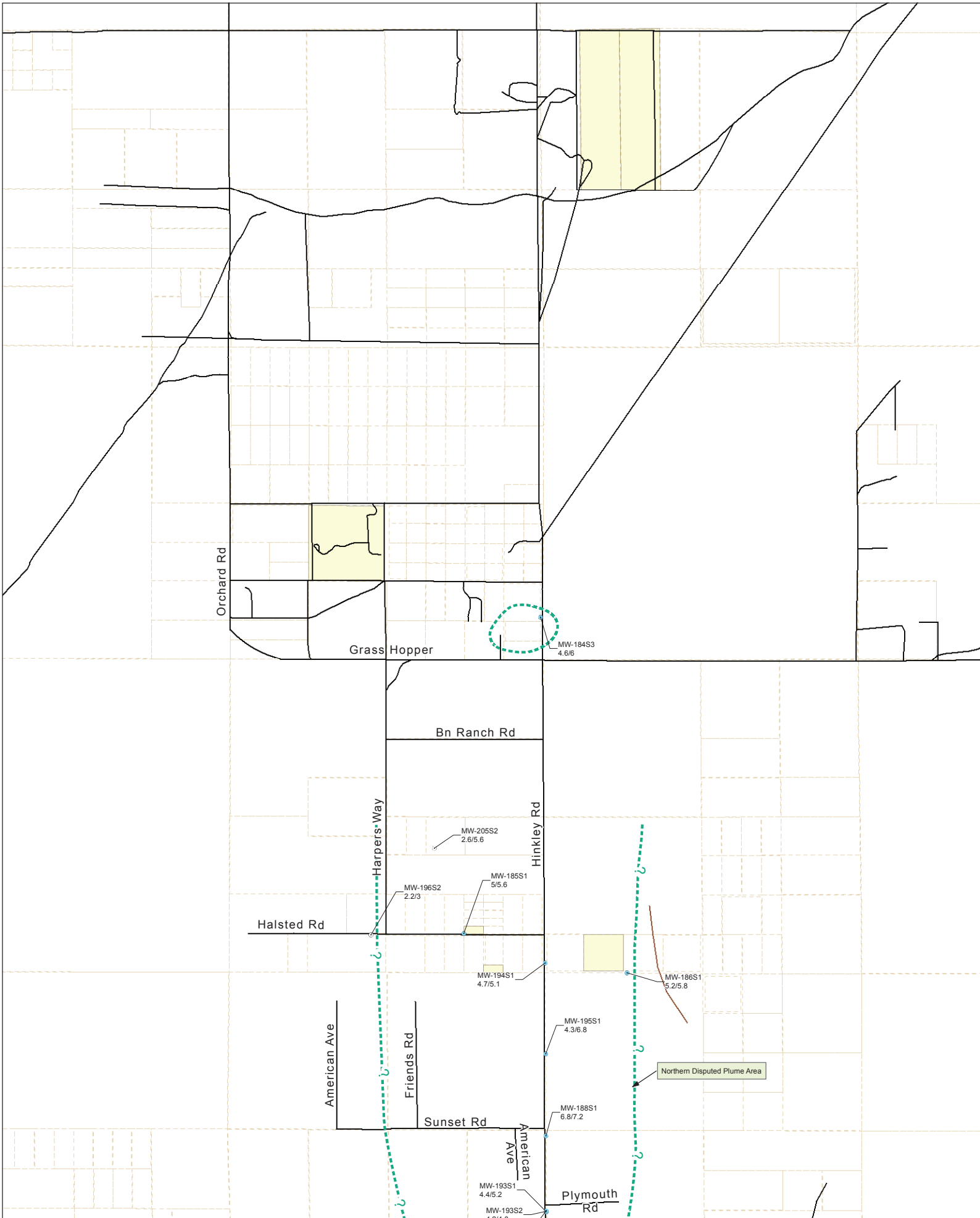
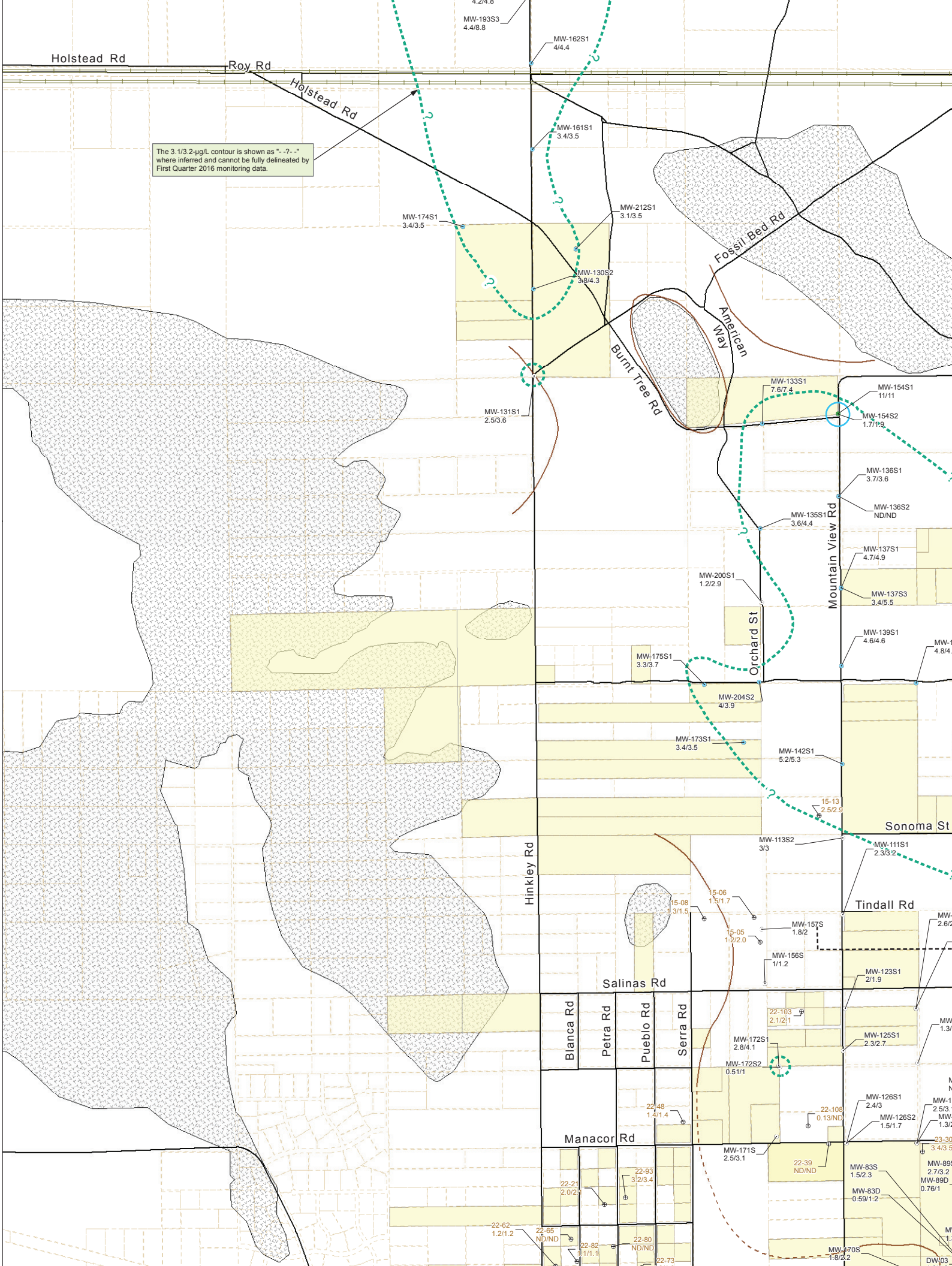
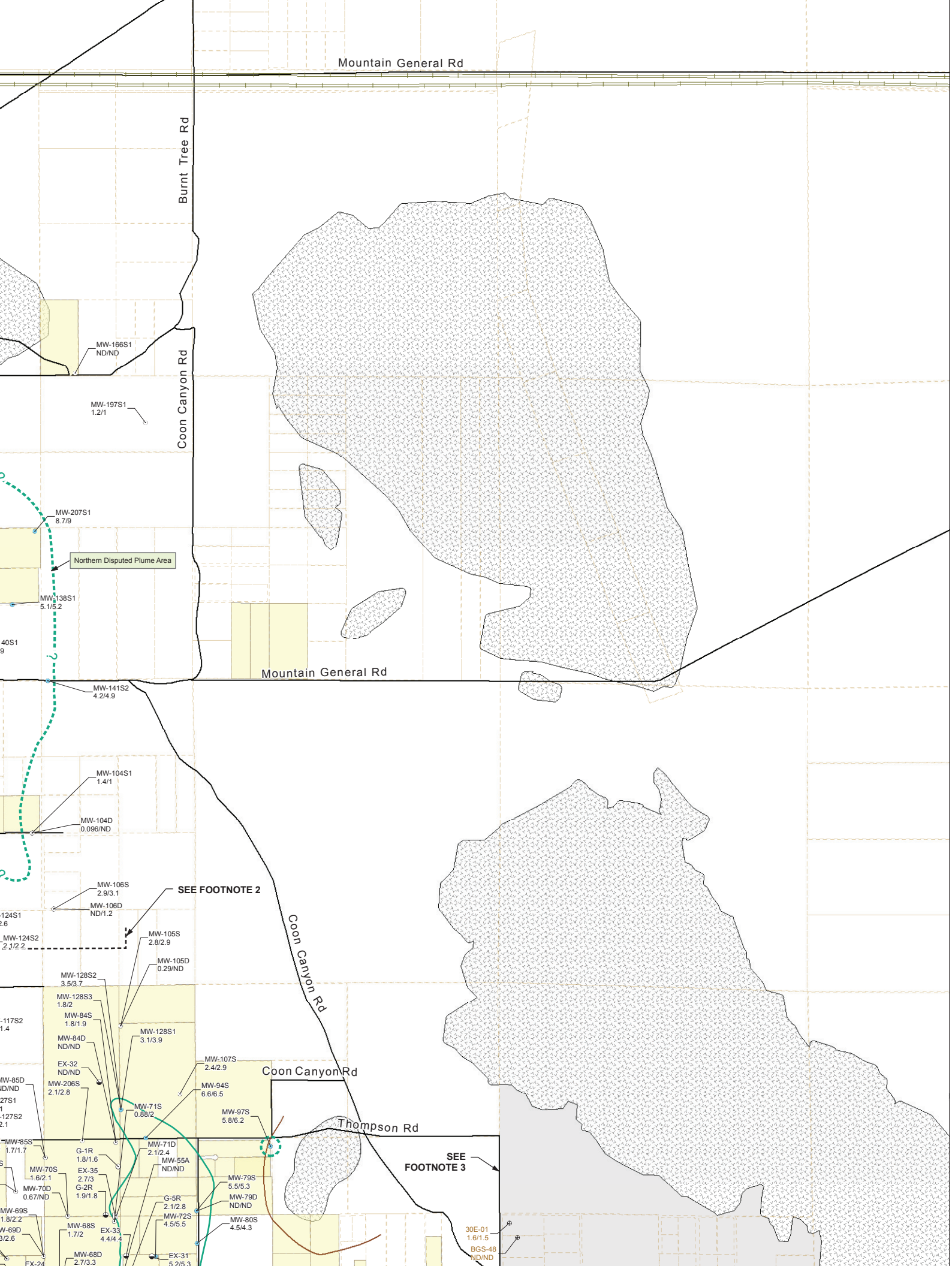
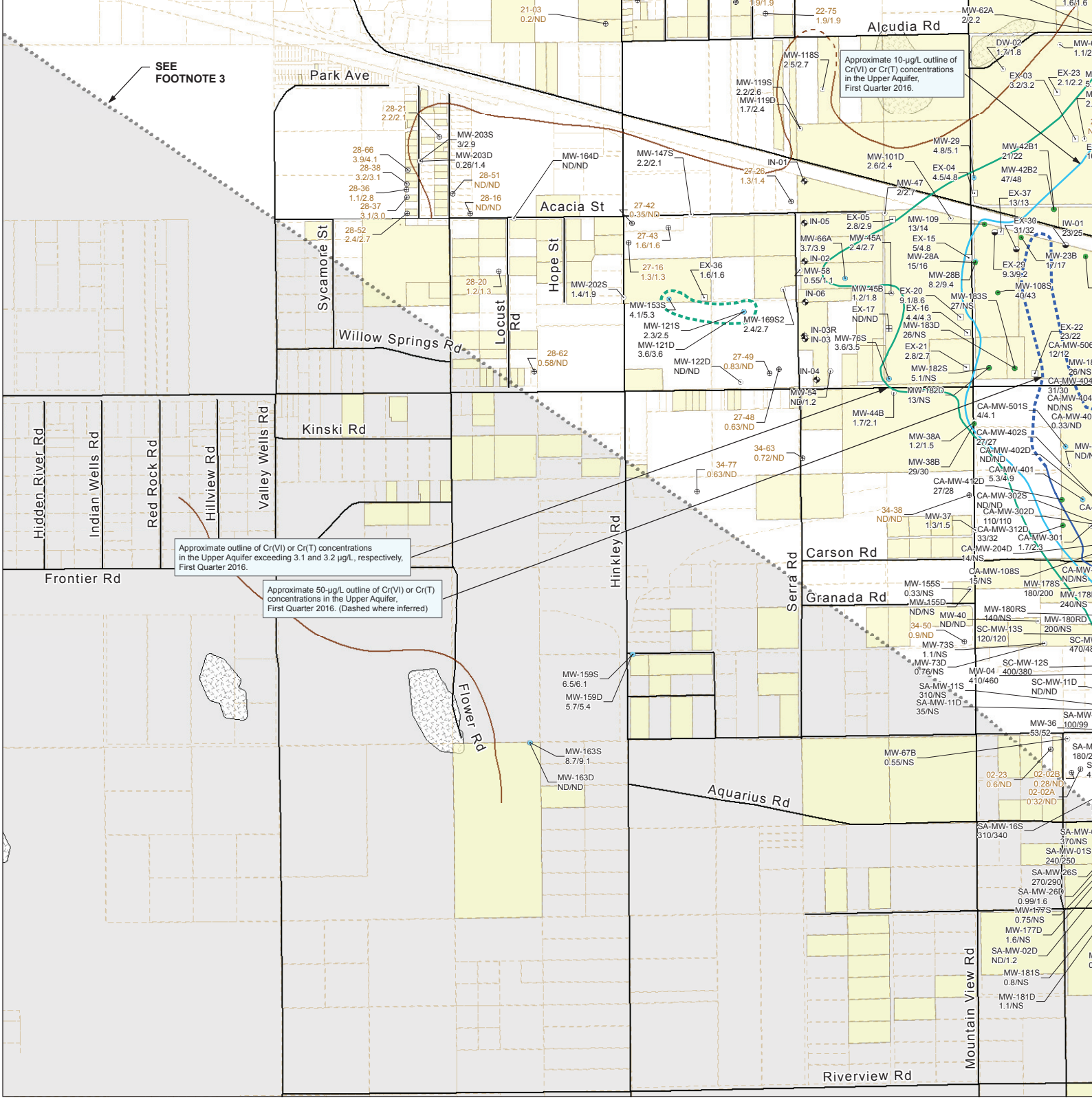

Orchard Rd
Grass Hopper
MW-184S3
4.6/6
Bn Ranch Rd
Harpers Way
Hinkley Rd
MW-205S2
2.6/5.6
MW-196S2
2.2/3
MW-185S1
5/5.6
Halsted Rd
MW-194S1
4.7/5.1
MW-186S1
5.2/5.8
American Ave
Friends Rd
MW-195S1
4.3/6.8
Northern Disputed Plume Area
Sunset Rd
MW-188S1
6.8/7.2
American Ave
MW-193S1
4.4/5.2
Plymouth Rd
MW-193S2


Fossil Bed Rd


Holstead Rd
Roy Rd
Holstead Rd
The 3.1/3.2-µg/L contour is shown as "- -?- -" where inferred and cannot be fully delineated by First Quarter 2016 monitoring data.
MW-193S3
4.4/8.8
MW-162S1
4.4/4.4
MW-161S1
3.4/3.5
MW-174S1
3.4/3.5
MW-212S1
3.1/3.5
MW-130S2
3.8/4.3
MW-131S1
2.5/3.6
Fossil Bed Rd
American Way
Burnt Tree Rd
MW-133S1
7.6/7.4
MW-154S1
11/11
MW-154S2
1.7/1.9
MW-136S1
3.7/3.6
MW-136S2
ND/ND
MW-135S1
3.6/4.4
Mountain View Rd
MW-137S1
4.7/4.9
MW-137S3
3.4/5.5
MW-200S1
1.2/2.9
Orchard St
MW-139S1
4.6/4.6
MW-175S1
3.3/3.7
MW-204S2
4/3.9
MW-173S1
3.4/3.5
MW-142S1
5.2/5.3
15-13
2.5/2.9
Sonoma St
MW-113S2
3/3
MW-111S1
2.3/3.2
Hinkley Rd
15-06
1.5/1.7
15-08
1.3/1.5
Tindall Rd
15-05
1.2/2.0
MW-157S
1.8/2
MW-156S
1/1.2
Salinas Rd
MW-123S1
2/1.9
Blanca Rd
Petra Rd
Pueblo Rd
Serra Rd
22-103
2.1/2.1
MW-172S1
2.8/4.1
MW-125S1
2.3/2.7
MW-172S2
0.51/1
22-48
1.4/1.4
22-108
0.13/ND
MW-126S1
2.4/3
MW-126S2
1.5/1.7
Manacor Rd
MW-171S
2.5/3.1
22-39
ND/ND
MW-83S
1.5/2.3
22-93
3.2/3.4
22-21
2.0/2.1
MW-89D
0.76/1
MW-83D
0.59/1.2
22-62
1.2/1.2
22-65
ND/ND
22-82
1.1/1.1
22-80
ND/ND
22-73
MW-170S
1.8/2.2
DW-03


Mountain General Rd
Burnt Tree Rd
Coon Canyon Rd
MW-166S1
ND/ND
MW-197S1
1.2/1
MW-207S1
8.7/9
Northern Disputed Plume Area
MW-138S1
5.1/5.2
Mountain General Rd
MW-141S2
4.2/4.9
MW-104S1
1.4/1
MW-104D
0.096/ND
MW-106S
2.9/3.1
SEE FOOTNOTE 2
MW-106D
ND/1.2
MW-105S
2.8/2.9
MW-105D
0.29/ND
MW-124S2
2.1/2.2
MW-128S2
3.5/3.7
MW-128S3
1.8/2
MW-84S
1.8/1.9
MW-84D
ND/ND
MW-128S1
3.1/3.9
EX-32
ND/ND
MW-206S
2.1/2.8
MW-107S
2.4/2.9
MW-94S
6.6/6.5
MW-71S
0.88/2
MW-97S
5.8/6.2
Coon Canyon Rd
Thompson Rd
MW-85S
1.7/1.7
G-1R
1.8/1.6
MW-71D
2.1/2.4
MW-55A
ND/ND
SEE FOOTNOTE 3
MW-70S
1.6/2.1
EX-35
2.7/3
MW-70D
0.67/ND
G-2R
1.9/1.8
MW-79S
5.5/5.3
MW-79D
ND/ND
G-5R
2.1/2.8
MW-72S
4.5/5.5
MW-80S
4.5/4.3
MW-68S
1.7/2
EX-33
4.4/4.4
MW-68D
2.7/3.3
EX-31
5.2/5.3
30E-01
1.6/1.5
BGS-48
ND/ND




**LEGEND:**

- Groundwater Monitoring Well
- Agricultural Supply Well
- Domestic Supply Well
- Other Supply Well
- Groundwater Extraction Well (Active)
- Multiuse Test Well, or Inactive Extraction/Injection Well
- Freshwater Injection Well
- PG&E-Owned Property
- PG&E Compressor Station
- County Parcel
- Transmission Line
- Approximate Limit of Saturated Alluvium Upper Aquifer
- Approximate Location of Lockhart Fault; Fault Trace is Inferred, and There is No Surface Expression (Stamos et al., 2001)
- Bedrock Exposed at Ground Surface

MW-77S Well ID
0.88/ND Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during First Quarter 2016 sampling.

**ABBREVIATIONS:**

| | |
|---|---|
| µg/L | micrograms per liter |
| Cr(VI) | hexavalent chromium |
| Cr(T) | total dissolved chromium |
| IRZ | In Situ Reactive Zone |
| ND | not detected |
| NS | not sampled |

Groundwater Cr(VI) concentrations in monitoring wells:

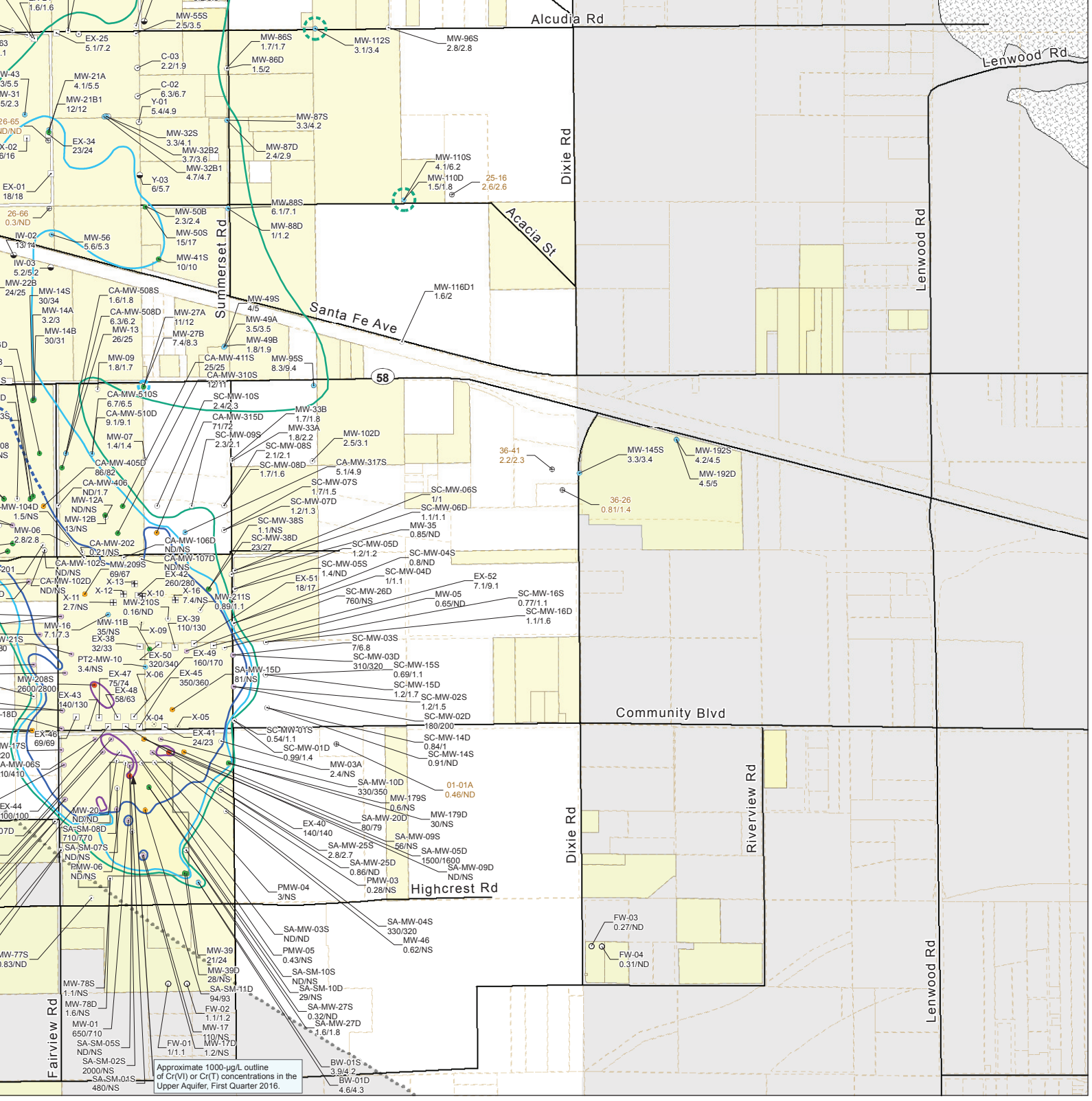
- More than 1,000 µg/L
- 100 to 1,000 µg/L
- 50 to 100 µg/L
- 10 to 50 µg/L
- 3.1 to 10 µg/L
- Less than 3.1 µg/L or ND

**NOTES:**

1. Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells the reporting period, the most recent results are shown.
2. The concentration contours are based on First Quarter 2016 chromium results for the groundwat Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order
3. Pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order if they are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road. Mor United States Geological Survey investigations.
4. Chromium plume contours in the general area south of Highway 58, were developed using a larg and Northwest Freshwater Injection Projects (Arcadis 2016). Select wells from that program are s

**WORKS CITED:**

Stamos, C.L., P. Martin, T. Nishikawa, and B.F. Cox. 2001. *Simulation of Ground-Water Flow in the Mojave River Basin, California*. U.S. Geological Survey Water-Resources Investigations Report 01-4002, Version 3. Prepared in cooperation with the Mojave Water Agency.




sampled in the First Quarter (January through March) 2016 monitoring period. For wells sampled multiple times during

er monitoring and extraction wells that are completed in the shallow zone and deep zone of the s) were not used for chromium plume contouring except for those in the northern area, dated November 4, 2015.

dated November 4, 2015, groundwater monitoring wells are not used for chromium contouring nitoring wells sampled southwest of Lockhart Fault and east of Dixie Road were sampled in support of

er set of monitoring data which is presented in the the April 15, 2016 First Quarter 2016 Monitoring Report for the In Situ Reactive Zone shown here for reference.

N

0 1,000 2,000 Feet

**FIGURE 5-5**
**CHROMIUM RESULTS FOR FIRST QUARTER 2016 GROUNDWATER GROUNDWATER MONITORING AND DOMESTIC WELL SAMPLING AND MAXIMUM COMPOSITE PLUME OUTLINE IN UPPER AQUIFER**

FIRST QUARTER 2016 GROUNDWATER MONITORING REPORT AND DOMESTIC WELL RESULTS
SITE-WIDE GROUNDWATER MONITORING PROGRAM

PACIFIC GAS AND ELECTRIC COMPANY
HINKLEY COMPRESSOR STATION
HINKLEY, CALIFORNIA